STATE OF CALIFORNIA CALIFORNIA INTEGRATED WASTE MANAGEMENT BOARD

Base Year Modification Request Certification

Part 1: Generation Study - No Extrapolation Diversion Data

To request a substitution for a previously approved base-year used in calculating the diversion rate for your jurisdiction, please complete and sign this form and return it to your Office of Local Assistance (OLA) representative at the address below, along with any additional information requested by OLA staff. When all documentation has been received, your OLA representative will work with you to prepare for your appearance before the Board. If you have any questions about this process, please call (916) 341-6199 to be connected to your OLA representative.

Mail completed documents to:

California Integrated Waste Management Board
Office of Local Assistance
1001 I Street, 9th Floor
PO Box 4025
Sacramento, CA 95812-4025

General Instructions:

Please select the **ONE** choice below that best explains your request to the Board.

☐ 1. Use a recent generation-based study to calculate our current reporting-year generation amount, but not officially change our existing Board-approved base year.

☐ 2. Use a recent generation-based study to officially change our existing Board-approved base year to a new base year.

The shaded cells on these sheets are protected. If you have problems using these sheets, please contact your Office of Local Assistance representative.

Section I: Jurisdiction Information and Certification

All respondents must complete this section.

I certify under penalty of perjury that the information in this document is true and correct to the best of my knowledge, and that I am authorized to make this certification on behalf of:

Jurisdiction Name: South San Francisco		County: San Mateo	
Authorized Signature		Title: Director of Public Works	
Type/Print Name of Person Signing: John Gibbs		Date	Phone ( ) Include Area Code: (650) 829-6650
Person Completing This Form (please print or type): Ruth Abbe		Title: Senior Associate, Brown, Vence & Associates	
Affiliation: Consultant to City			
Mailing Address: P.O. Box 711	City: South San Francisco	State: CA	ZIP Code: 94083
E-mail address			

Section II: Information for New Generation-Based Study for Existing or New Base Year

Attach additional sheets if necessary— reference each response to the appropriate cell number (e.g., 4).

Note: New base years must be representative of a jurisdiction's disposal and diversion.

1. Current Board-approved existing base-year:	2. Proposed new generation-based study year:
1990	2000

3. Explain how the proposed generation study year is representative of average annual jurisdiction disposal and diversion:

The City has undertaken the preparation of a new waste generation study in order to more fully and accurately access the City's diversion rate. 2000 is the state-mandated reporting year.

4. Enter your diversion rates below.

Diversion rate calculated using existing base year	**a. 35 %**	**Diversion rate calculated using new generation-based study**	**b. 47 %**
For existing base year pounds/person/day based on generation	**13.37**	**For new generation based study pounds/person/day based on generation**	**17.41**
Residential generation 27 %	**Non-Residential Generation 73 %**	**Residential generation 13%**	**Non-Residential generation 87%**
Population existing generation-based study	62,600	**Population new generation-based study**	62,600

5. If there is an increase between 4a and 4b, please explain how the new diversion rate is consistent with your current diversion implementation efforts. If the proposed new generation tonnage results in an increase in your pounds/person/day, please explain how this is consistent with your current diversion implementation efforts and provide any examples, e.g. change in jurisdiction's demographics.

According to the its most recent PARIS report, the City as implemented 26 diversion programs since 1990. These efforts, and those of the private sector, are not appropriately reflected in the City's current diversion rate. The 2000 Waste Generation Study identified previously undocumented diversion through site visits and surveys of the City's commercial businesses and surveys of materials handlers and solid waste facilites. The increase in the pounds per person per day is a result of the increase in the diversion activities since 1990.

6. If the difference between the proposed diversion rates in 4a and 4b is greater than 5 percentage points, please explain the specific reasons for the difference. (For example: new/improved curbside diversion programs.)

The City has implemented a significant number of diversion programs since 1990 and the 2000 Waste Generation Study has identified previously undocumented diversion by the City's private sector.

7. Disposal Tonnage: (enter values)	20059	85648	105707
	Residential	Non-Residential	Total

Please select the ONE choice below that best explains your disposal data and complete the required tables.

☑ a. All tons claimed are from the Board's Disposal Reporting System (No explanation required. Go to Section 8.)

☐ b. All tons claimed are from a 100 percent audit of hauler and self-haul tonnage. (Please complete Reporting Year Tonnage Request and Modification Certification sheet found at http://www.ciwmb.ca.gov/lgcentral/forms/rytnmdrq.doc)

☐ c. Some Disposal Reporting System data were corrected. (Please complete Reporting Year Tonnage Modification Request and Certification sheet found at http://www.ciwmb.ca.gov/lgcentral/forms/rytnmdrq.doc)

8. In the table below, list the summarized diversion activities, and diversion data records that support your claim and are available for Board audit. (Note: The Board expects the jurisdictions to be able to provide all back-up documentation, if requested) Include type of record and location—for example, weight tickets from transfer stations. This section should capture all diversion tonnage (form will perform all addition calculations). If any diversion is from restricted wastes, [agricultural wastes,inert solids (e.g., concrete, asphalt, dirt, etc.), white goods, and scrap metal] please identify those programs/waste types and fill out section 10. Please mark as Attachment 8 all copies of survey forms.
*Please provide detailed Non-Residential waste information in Section 9.

*Please provide detailed non-Residential waste audit information in Section 9.

Note: The Board has indicated that it will be scrutinizing total source reduction amounts greater than 5% of total generation. Please be prepared to provide additional details substantiating your claim.

Diversion Activity Please use the Board's program types. The program type glossary is online at: http://www.ciwmb.ca.gov/lgcentral/parts/codes/reduce.htm	Actual tons (A)	Relative Percent to Total Generation (A/Total Generation)	Specific material type(s) (List operation w/multiple materials in one box)	Specific conversion factor used (if any) and Source	Type of record and location of record
Residential Activities: Source Reduction					
Backyard composting	196	0.1%	green waste, food waste	700 lbs/family/year	
Grasscycling		0.0%			
Other Residential source reduction (list each program separately)					
Garage sales	123	0.1%	miscellaneous reusable items	various from Diversion Study Guide	
Diaper service	9	0.0%	diapers	1,000 lb/baby/yr	
Enter program name		0.0%			
Enter program name		0.0%			
Enter program name		0.0%			
Subtotal Residential Source Reduction	328	0.2%			
Recycling					
Curbside Recycling	2099	1.1%	glass, plastic, metals, paper	Actual weight	
Buyback centers	2562	1.3%	glass, plastic, aluminum, bi-metal	Actual weight	
Drop-off centers					

Diversion Activity Please use the Board's program types. The program type glossary is online at: http://www.ciwmb.ca.gov/locentral/parts/codes/reduce.htm	Actual tons (A)	Relative Percent to Total Generation (A/Total Generation)	Specific material type(s) (List operation w/multiple materials in one box)	Specific conversion factor used (if any) and Source	Type of record and location of record
Other Residential recycling (list each program separately)					
Enter program name					
Enter program name					
Enter program name					
Enter program name					
Enter program name					
Subtotal Residential Recycling	**4661**	**2.3%**			
Composting					
Green waste drop-off					
Curbside green waste	273	0.1%	green waste	Actual weight	
Christmas Tree program					
Other Residential composting (list each program separately)					
Enter program name					
Enter program name					
Enter program name					
Enter program name					
Enter program name					
Subtotal Residential Composting	**273**	**0.1%**			
Subtotal Residential Diversion	**8262**	**2.8%**			
Non-Residential Activities: **Source Reduction**					
Non-Residential Waste Audits*	**25473**	**12.8%**	**See Section 9**	**See Section 9**	**See Section 9**
Other non-Residential source reduction (list each program separately)					
Material handlers	1019	0.8%	Clothing, food, misc. reused items	1,000 lbs. per bale, actual weight, various from Diversion Study Guide	
City in-house source reduction	741	0.4%	Paper, coffee cups, carboard, supplies, toner cartridges	City survey	
Enter program name					
Enter program name					
Enter program name					
Subtotal Non-Residential Source Reduction	**27233**	**13.7%**			

Diversion Activity Please use the Board's program types. The program type glossary is online at: http://www.ciwmb.ca.gov/lacentral/parts/codes/reduce.htm	Actual tons (A)	Relative Percent to Total Generation (A/Total Generation)	Specific material type(s) (List operation w/multiple materials in one box)	Specific conversion factor used (if any) and Source	Type of record and location of record
Recycling					
Non-Residential Waste Audits*	22928	11.5%	See Section 9	See Section 9	See Section 9
Other non-Residential recycling (list each program separately)					
City in-house recycling	1	0.0%	Computers		
Franchise hauler	2965	1.5%	Carboard, paper and containers		
Material handlers	429	0.2%	Tallow, wood, misc. reused items	Actual weight, 500 lbs/cubic yard, various from Diversion Study Guide	
Enter program name					
Enter program name					
Subtotal Non-Residential Recycling	26323	13.2%			
Composting					
Non-Residential Waste Audits*	341	0.2%	See Section 9	See Section 9	See Section 9
Other non-Residential composting (list each program separately)					
Enter program name					
Enter program name					
Enter program name					
Enter program name					
Enter program name					
Subtotal Non-Residential Composting	341	0.2%			
Subtotal Non-Residential Diversion	53897	27.1%			
Residential/Non-Residential Diversion Activities					
ADC	1267	0.6%			
Sludge	19126	9.6%			
Scrap metal					
Construction and demolition	13692	6.9%			
Landfill salvage					
Subtotal Residential/Non-Residential diversion	34085	17.1%			
Total Res/Non-Res Source Reduction Tons	27561	13.9%			
Total Diversion Tons	93244	46.9%			
Total Disposal Tons from Sec.7	105707	53.1%			
Total Generation Tons (Div+Dis)	198950				
Diversion Rate	47%				

9. Specific Non-Residential Sector Waste Audits-Top 10 Non-Residential Generators

Please complete this table for the top 10 non-residential generators that were surveyed. List each non-residential generator separately from largest to smallest, based total diversion tons. Audit reference number ties to your audit sheets.
(Form will perform all addition calculations)
Please provide an attachment 9 which includes all of the generators surveyed. Include for each generator (use type of generator in lieu of specific business name) diversion activity and material type and associated tonnage for each diversion activity/material type, and applicable conversion factors/sources. Include copies of survey form(s) used.

Type of Non-residential Generator	Audit Reference Number	Specific/Major Diversion Activities include material type (e.g. paper recycling, grasscycling). (List activities on one line)	Source Reduction Tons	Recycling Tons	Composting Tons	Total Diversion Tons	Percent of Total Generation (Total Diversion Tons/Total Generation in Section 8)	Survey Method Phone (P) Mail (M) On-site (O) Other ___
Cardboard Mfg.	LPSV6/JHSV02	cardboard, recycling; cardboard & pallets, SR	4878.4	10,063.04	0	14941.444	7.5%	O
Concrete Mfg.	JHSV04	concrete, recycling; concrete and storage tanks, SR	7,241.34	1,200.00	0	8441.338	4.2%	O
Food Mfg.	LPSV8	Food waste recycling and source reduction, plastic tote and pallet reuse	1,280.38	5,954.12	0	7234.5	3.6%	O
Produce Wholesale	LPSV2	produce & pallets, SR; cardboard, recycling	3496.48	526.35	0	4022.83	2.0%	O
Retail	JHSV05	cardboard, tires & tallow, recycling; pallets, SR	562.92	1,189.73	0	1752.65651	0.9%	O
Golf Course	JHPS33	Grasscycling, compost	1,524.60	-	50	1574.6	0.8%	P
Retail	JHSV07	Cardboard recycling and reuse, donations, pallet and cardboard SR	538.20	442.00	0	980.2	0.5%	O
Food Mfg.	LPSV1	Cardboard and tallow recycling, plastic divers	631.8	343.85	0	975.65	0.5%	O
Paint Mfg.	LPSV7	pallets, SR; cardboard, paper and plastic recycling; plastic pails, SR	727.17	96.48	0	823.65	0.4%	O
Food Mfg.	LPSV5		469.04	92.3	0	561.34	0.3%	O
Totals			21350.333	19907.8758	50	41308.20851	20.8%	

Summarize the non-residential diversion activities for the top 10 generators quantification methodology, and applicable conversion factors and sources. (e.g. Cardboard recycling: quantified by monthly tonnage receipts provided by the contact person at the business)

LPSV6/JHSV02 Cardboard Mfg.: Cardboard recycling (actual weight) and cardboard source reduction (actual weight), reused pallets (40 pounds each) were counted once and divided by four uses per pallet, chipped plastic recycling (actual weight), resused plastic buckets (5 pounds each) counted once, post-1990 metal strapping recycling (906 lbs. per cubic yard).

JHSV04 Concrete Mfg.: Post-1990 concrete diversion program: concrete source reduced (actual weight), concrete recycled (actual weight), reused pallets (40 pounds each) counted once and divided by four uses per pallet, conversion to bulk storage: source reduction of tanks (actual weight).

LPSV8 Food Manufacturer: Food waste (dough) recycling (736.2 pounds per cubic foot from recycler), food waste source reduction (actual weight), reused pallets (40 pounds each) counted once and divided by four uses per pallet, reused plastic totes (42.3 pounds each) counted one for one, reused linens (gloves and mops) (1 pou per mop and 1 pound per pair of gloves), tallow recycling (57 pounds per cubic foot).

LPSV2 Produce Wholesale: Damaged or unsold produce is donated (acutal weight), cardboard boxes are reused (1.1 pounds each), reused pallets (40 punds each) couned once and divided by 4 uses per pallet, cardboard recycling (1.1 pounds each).

JHSV05 Big Box Retail: cardboard recycling (actual weight), damaged goods and food donation (actual weight), tire recycling (20 pounds each), meat scrap recycling ((52.5 pounds per cubic foot), produce waste diversion (actual weight), pallet reuse (40 pounds each) counted once and divided by four uses per pallet, conversion to bulk cleaning supplies (reduced 0.33 pounds per gallon container).

JHPS33 Golf Course: Grasscycling 200 acres at 350 pounds per 1000 square feet per year, composts 50 tons of prunings per year (actual weight).

JHSV07 Big Box Retail: cardboard recycling (actual weight), damaged goods donation (actual weight), tire recycling (20 pounds per tire) , pallet reuse (40 pounds per pallet counted once and divided by 4 uses per pallet, cardboard box reuse (2.2 pounds per box).

LPSV1 Food Mfg. cardboard recycling (actual weight), tallow recycling (375.5 pounds per container), conversion to bulk soap barrells (25 pounds per reduced barrell), plastic bucket reuse (1.1 pounds each), plastic spacer reuse (2.25 pounds each), plastic barrel reuse (120 pounds each)--all plastic diverted from disposal, pallets (40 pounds each) and Gaylord pallet (60 pounds each) reuse counted once and divided by four uses per pallet.

LPSV7 Paint Mfg. cardboard and computer paper recycling (actual weight), conversion to bulk packaging (reduction of 4 pound sacks), pallet reuse (40 pounds each) counted once and divided by four uses per pallet, 55 gallon drums diverted from disposal and reused (30 pounds each), reduction of plastic fives pails (655 pounds each), plastic shrink wrap recycling (actual weight).

LPSV5 Food Mfg. 55 gallon drums diverted from disposal and reused (counted once), mixed paper recycling (400 pound bales), pallet reuse (40 pounds each) counted once and divided by four uses per pallet, food waste donated (actual weight), plastic crates and buckets diverted from disposal and reused (counted once) (1 pound each small, 3 pounds each large).

10. For each restricted waste type [i.e., agricultural waste, inert solids, (e.g. concreter, asphalt, dirt, etc.) scrap metals and white goods (PRC Section 41781.2)] and associated program, please provide the following information:

a. If the diversion program started on or after January 1, 1990, complete the following table.
(Note: program name refers to one specific diversion program for that waste type; (e.g., diversion conducted by City Public Waste Dept).

Restricted Waste Type	Specific Program name	Year started	Tonnage
Pull Down for Waste Types	C&D Recycler	1995	12500
Pull Down for Waste Types	C&D Recycler (increase since 1990)	2000	1191
Pull Down for Waste Types	Landfill diversion	1993	0
Pull Down for Waste Types			
Pull Down for Waste Types			
Pull Down for Waste Types			

b. If the diversion program started before January 1, 1990, on a separate sheet, marked attachment 10b, provide the following documentation: (Note: If documentation for a waste type and program has already been approved by the Board, you do not have to provide an attachment 10b for that waste type and program.
Instead please provide date of Board approval of preciously submitted information. _____ (Date)
If documentation is not available, go to 10d.

- How the diversion was the result of a local action taken by the jurisdiction, which specifically resulted in the diversion [PRC Sec. 41781.2 (c) (1)].
- That the amount of that waste type diverted from the jurisdiction in 1990 was less than or equal to the amount of that waste type disposed at a permitted disposal facility by the jurisdiction in any year before 1990. (Note: this criterion is applicable to the entire jurisdiction, not to individual programs
[PRC Sec. 41781.2 (c) (2)]). Please include documentation.
- The jurisdiction is implementing, and will continue to implement, the diversion programs in its Source Reduction and Recycling Element.

c. If the diversion program started before January 1, 1990, and the documentation requested in 10b is available (but not yet approved by the Board), complete the table below for each program claimed:

Restricted Waste Type	Specific Program Name	New base year or reporting year diversion tonnage
Pull Down for Waste Types		
Pull Down for Waste Types		
Pull Down for Waste Types		
Pull Down for Waste Types		
Pull Down for Waste Types		

d. If the diversion program started before January 1, 1990, and the documentation requested in 10b is not available, please complete the table below for each program claimed. (***Note**: Only the difference between the new base year/reporting year and 1990 can be counted in the diversion rate calculation.)*

Restricted Waste Type	Specific Program name	New base year or reporting year tonnage	1990 diversion tonnage	Difference
Pull Down for Waste Types				
Pull Down for Waste Types				
Pull Down for Waste Types				
Pull Down for Waste Types				
Pull Down for Waste Types				
Pull Down for Waste Types				

Ref. No.	City	Source	Type of business	Category	Matl. Type	Method	Qty.	Unit	Freq.	Conversion Factor	Tons /Period	Tons/Yr
Materials Handlers												
LPMH1	SSF	[redacted]	Tallow Hauler	Commercial	tallow	recycling	34	tons	year	Actual weight	34.00	34
LPMH2	SSF		Diaper Svc.	Residential	diapers	SR	18,000	lbs	year	1,000 lb/baby.	9.00	9
LPMH3	SSF		Tree Service	Commercial	trunk wood and br	recycling	2000	lbs	year	Actual weight	1.00	1
LMPH4	SSF		Tree Service	Commercial	shredded wood chi	recycling	117.02	tons	year	500 lb cyd.	117.02	117.02
LPMH5	SSF		Tree Service	Commercial	chip mat'l & wood	recycling	65	tons	year	500 lb cyd.	65.00	65
LPMH6	SSF		C&D Recycler	Commercial	post-recycled asph	recycling	12500	tons	year	Actual weight	12,500.00	12500
LPMH7	SSF		Sludge Composter	Commercial	sludge compost	composting	10,226	tons	year	Actual weight	10,226.00	10226
	SSF				sludge	composting	8,900	tons	year	Actual weight	8,900.00	8900
LPMH8	SSF		Retail Distrbution	Commercial	clothing	SR	600	tons	year	1,000 lb bale	600.00	600
	SSF				shoes	recycling	26	tons	year	2+coups/wk.	26.00	26
	SSF				books	recycling	46.8	tons	year	2.5 coups/wk.	46.80	46.8
	SSF				Misc. goods	recycling	52	tons	year	4 coups/wk.	52.00	52
	SSF				Salvage linens	recycling	39	tons	year	5 coups/wk	39.00	39
	SSF				Entertainment Equ	recycling	12.74	tons	year	10 pieces/wk.	12.74	12.74
	SSF				Toys	recycling	35.1	tons	year	3 coups/wk.	35.10	35.1
LPMH9	SSF		Thrift Store	Commercial	used goods	SR	68.76	tons	year	Actual weight	68.76	68.76
	SSF				aluminum cans	recycling	650	lbs	year	Actual weight	0.33	0.325
LPMH10	SSF		Thrift Store	Commercial	used goods	SR	68.76	tons	year	Actual weight	68.76	68.76
LPMH11	SSF		Thrift Store	Commercial	used goods	SR	50	tons	year	Actual weight	50.00	50
LPMH12	SSF		Food Donation	Commercial	mixed foods	SR	336000	lbs	year	Actual weight	168.00	168
RAMH1	SSF		C & D Recycler	Commercial	post-1990 asphalt	recycling	1191.329881	tons	year	Actual weight	1,191.33	1,191.33
HMMH13	SSF		Tree Service	Commercial	wood chips	SR	63	tons	year	Actual weight	63.00	63
						Total Tonnage from Materials Handlers						34,273.83
Department of Conservation												
DOC 01	SSF	**Dept. of Conservation**	State Gov't.	Residential	Aluminum	recycling	65535	lbs	year	actual weight	32.77	32.7675
	SSF	**Dept. of Conservation**	State Gov't.	Residential	Glass	recycling	1618937.2	lbs	year	actual weight	809.47	809.4686
	SSF	Dept. of Conservation	State Gov't.	Residential	plastics	recycling	21880.8	lbs	year	actual weight	10.94	10.9404
	SSF	Dept. of Conservation	State Gov't.	Residential	P1	recycling	179271.7	lbs	year	actual weight	89.64	89.63585
	SSF	Dept. of Conservation	State Gov't.	Residential	P2	recycling	287383.5	lbs	year	actual weight	143.69	143.69175
DOC 02	SSF	Dept. of Conservation	State Gov't.	Commercial	Aluminum	recycling	358058.8	lbs	year	actual weight	179.03	179.0294
	SSF	Dept. of Conservation	State Gov't.	Commercial	Glass	recycling	2028297.1	lbs	year	actual weight	1,014.15	1014.14855
	SSF	Dept. of Conservation	State Gov't.	Commercial	plastics	recycling	24691.1	lbs	year	actual weight	12.35	12.34555
	SSF	Dept. of Conservation	State Gov't.	Commercial	P1	recycling	246290.6	lbs	year	actual weight	123.15	123.1453
	SSF	Dept. of Conservation	State Gov't.	Commercial	P2	recycling	293282.6	lbs	year	actual weight	146.64	146.6413
						Total Tonnage from Dept. of Conservation						2,561.81
City Survey												
HMC01	SSF	City survey	garage sale	Residential	various	SR	105	tons	year	.35 ton/ea	105.00	105
	SSF	Newspaper survey	garage sale	Residential	various	SR	18.3	tons	year	survey	18.30	18.3
	SSF	City survey- San Mateo County	home composting	Residential	organics	Composting	196	tons	year	700 lb/bin	196.00	196
	SSF	City departments	City gov't		toner cartridges	SR	85	lbs	year	2.5lb/ea	0.04	0.0425
					OCC	SR	272	lbs	year	1 lb/ea	0.14	0.136
					supplies: binders	SR	30	lbs	year	survey	0.02	0.015
					paper - reams	SR	420	lbs	year	survey	0.21	0.21

Ref. No.	City	Source	Type of business	Category	Matl. Type	Method	Qty.	Unit	Freq.	Conversion Factor	Tons /Period	Tons/Yr
					computers	recycling	1250	lbs	year	survey	0.63	0.625
					coffee cups	SR	20	lbs	year	survey	0.01	0.01
HMC02	SSF	County library	county library		withdrawn items	SR	1.5	tons	year	survey	1.50	1.5
HMC03	SSF	DPW	City gov't		grasscycling	SR	739	tons	year	350lb/1,000 ft	739.00	739
					Total Tonnage from City Survey							1,060.84
Business Surveys												
LPBS1	SSF	[redacted]	school district	Commercial	grass clippings	SR	24.77	tons	year	350 lbs/yr/1,0	24.77	24.77
					grass clippings	SR	190.58	tons	year	350 lbs/yr/1,0	190.58	190.58
					metal desks	recycling	37.5	tons	year	20 lb desk	37.50	37.5
					aluminum cans CR	recycling	11.43	tons	year	14.6 lb, 33 ga	11.43	11.43
					mixed paper	recycling	0	tons	year	n/a	0.00	0
					memos	SR	1560	lbs	year	20 memos/wk	0.78	0.78
					cardboard	recycling	0	tons	year	n/a	0.00	0
					plastic pouch milk	SR	6.25	tons	year	actual weight	6.25	6.25
LPBS2	SSF		Packaging	Commercial	cardboard	recycling	6.5	tons	year	250 lbs/wk	6.50	6.5
LPBS3	SSF		Bakery	Commercial	pastries	SR	0.91	tons	year	.2 lb each	0.91	0.91
					cardboard box	SR	60.06	tons	year	1.1 lb each	60.06	60.06
					metal drums	SR	0.42	tons	year	35 lbs each	0.42	0.42
					pallets	SR	14.56	tons	year	40 lb each	14.56	14.56
LPBS4	SSF		Conference Cente	Commercial	cardboard	recycling	13.02	tons	year	50.08 lb/cy	13.02	13.02
					glass bottles	recycling	7.45	tons	year	1.08 lb each	7.45	7.45
					aluminum cans	recycling	92.45	lbs	year	.889 lb case	0.05	0.046225
					mixed paper	recycling	0	tons	year	n/a	0.00	0
					cardboard	recycling	0	tons	year	n/a	0.00	0
					pallets	SR	5.2	tons	year	50 lbs each	5.20	5.2
LPBS5	SSF		Frozen Food Mfg	Commercial	cardboard	recycling	5.2	tons	year	actual weight	5.20	5.2
					wood scrap	recycling	1.04	tons	year	actual weight	1.04	1.04
					pallets	SR	109.2	tons	year	40 lb each	109.20	109.2
					food scraps	recycling	14.33	tons	year	183.67 lb/cy	14.33	14.33
LPBS6	SSF		Mfg Frozen Donu	Commercial	food scraps	recycling	591.5	tons	year	3,250 lbs/day	591.50	591.5
					white bond paper	recycling	0.98	tons	year	363.51 lb/cyd	0.98	0.98
					mislabelled produc	SR	250	lbs	year	actual weight	0.13	0.125
					wood pallets	SR	127.4	tons	year	40 lbs each	127.40	127.4
					broken wood palle	recycling	2.4	tons	year	40 lbs each	2.40	2.4
					5gal plastic bucket	recycling	2.64	tons	year	1.1 lb each	2.64	2.64
LPBS7	SSF		Food Mfg.	Commercial	cardboard box	SR	3.43	tons	year	1.65 lb each	3.43	3.43
					mixed paper	recycling	0	tons	year	carts	0.00	0
					plastics	recycling	0	tons	year	carts	0.00	0
					cardboard	recycling	0	tons	year	50.08 lb/cyd	0.00	0
					pallets	SR	10.4	tons	year	40 lbs each	10.40	10.4
					food waste	SR	5.72	tons	year	25, 8.8 lb bag	5.72	5.72
LPBS8	SSF		Grocery Retail	Commercial	cardboard bales	recycling	182	tons	year	400 lb/cyd	182.00	182
					meat scrap	recycling	74.62	tons	year	52.5 lb/cft.	74.62	74.62
					plastic crates	SR	54.65	tons	year	1.1 lb each	54.65	54.65

Ref. No.	City	Source	Type of business	Category	Matl. Type	Method	Qty.	Unit	Freq.	Conversion Factor	Tons /Period	Tons/Yr
					pallets	SR	100.1	tons	year	40 lbs each	100.10	100.1
					damaged goods	SR	20.8	tons	year	2 pallets/wk	20.80	20.8
LPBS9	SSF		Bulk Retail	Commercial	cardboard	recycling	0	tons	year	50.08 lb/cyd	0.00	0
					pallets	SR	390	tons	year	40 lb each	390.00	390
					damaged goods	SR	57.2	tons	year	400 lbs per pa	57.20	57.2
					damaged goods	SR	2.4	tons	year	400 lbs per pa	2.40	2.4
LPBS10	SSF		Food Mfg.	Commercial	tallow	recycling	13.56	tons	year	7.45 lb/gal	13.56	13.56
					cardboard	recycling	163.8	tons	year	400 lb bale	163.80	163.8
					wood pallets	SR	200.2	tons	year	40 lbs each	200.20	200.2
LPBS11	SSF		Distribution Ctr.	Commercial	wood pallets	SR	4	tons	year	40 lb each	4.00	4
					cardboard	recycling	0	tons	year	n/a	0.00	0
					office paper	recycling	0	tons	year	n/a	0.00	0
					scrap metal, post 1	recycling	3.6	tons	year	actual weight	3.60	3.6
LPBS12	SSF		Furniture Wareho	Commercial	cardboard	recycling	19.5	tons	year	25 lb box	19.50	19.5
					pallets	recycling	0.96	tons	year	40 lb each	0.96	0.96
LPBS13	SSF		Garmet Outlet	Commercial	cardboard	recycling	23.15	tons	year	50.08 lbs/cyd	23.15	23.15
					wood pallets	SR	39	tons	year	40 lbs each	39.00	39
					garments	recycling	37.5	tons	year	1.5 lb each	37.50	37.5
					garments	SR	0.83	tons	year	1.5 lb each	0.83	0.83
					garments	SR	26.25	tons	year	1.5 lb each	26.25	26.25
LPBS14	SSF		Biotech	Commercial	Tyvex suits	recycling	2250	lbs	year	20 suits/lb.	1.13	1.125
					plastic pipet holder	recycling	8500	lbs	month	actual weight	4.25	51
					styrfoam bales	recycling	1440	lbs	year	actual weight	0.72	0.72
					cardboard	recycling	0	tons	year		0.00	0
					drums	recycling	0	tons	year		0.00	0
					mixed plastics	recycling	0	tons	year		0.00	0
					plastic pallets	SR	0	tons	year		0.00	0
					tallow	recycling	11.4	tons	year	actual weight	11.40	11.4
LPBS15	SSF		Clothing Dist.	Commercial	cardboard box	recycling	1.144	tons	year	2.2 lb each	1.14	1.144
					cardboard box	SR	0.286	tons	year	2.2 lb each	0.29	0.286
					hangers	SR	10.92	tons	year	0.14 lb each	10.92	10.92
					clothing	SR	3000	lbs	year	1 lb each	1.50	1.5
LPBS16	SSF		Dehydrated Foods	Commercial	cardboard	recycling	78	tons	year	actual weight	78.00	78
					cardboard	SR	15.6	tons	year	actual weight	15.60	15.6
					pallets	SR	124.8	tons	year	40 lbs each	124.80	124.8
					pallets	recycling	13	tons	year	40 lbs each	13.00	13
LPBS17	SSF		Aluminum Windo	Commercial	aluminum scrap	recycling	1.95	tons	year	75 lbs/wk	1.95	1.95
LPBS18	SSF		Biotech	Commercial	wood pallets	SR	5.72	tons	year	40 lbs each	5.72	5.72
LPBS19	SSF		Food Mfg.	Commercial	food scraps	recycling	465,000	lbs	year	actual weight	232.50	232.5
					wood pallets	SR	720	tons	year	40 lbs each, 1	720.00	720
LPBS20	SSF		Whlse. Grocer	Commercial	cardboard bales	recycling	57.2	tons	year	400 lbs each	57.20	57.2
					pallets	SR	163.8	tons	year	40 lbs each	163.80	163.8
					plastic totes	SR	6.37	tons	year	2 lbs each	6.37	6.37
					plastic crates	SR	4.42	tons	year	1 lb each	4.42	4.42
					damaged goods	SR	1200	lbs	year	actual weight	0.60	0.6
					cardboard box	SR	52	tons	year	4 lb each	52.00	52

Ref. No.	City	Source	Type of business	Category	Matl. Type	Method	Qty.	Unit	Freq.	Conversion Factor	Tons /Period	Tons/Yr
LPBS21	SSF	[redacted]	Steel Mfg.	Commercial	post-1990 metals	recycling	100.24	tons	year	actual weight	100.24	100.24
LPBS22	SSF		Mfg. Seasonings	Commercial	cardboard box	recycling	2.34	tons	year	2 lbs each	2.34	2.34
					pallets	SR	12	tons	year	40 lbs each	12.00	12
LPBS23	SSF		Biotech	Commercial	plastic pippets	recycling	300	lbs	year	actual weight	0.15	0.15
					mixed paper bins	recycling	0	tons	year	unknown	0.00	0
LPBS24	SSF		Distributor	Commercial	food waste	SR	14.98	tons	year	48 lb box	14.98	14.98
					cardboard box	SR	0.624	tons	year	2 lbs each	0.62	0.624
LPBS25	SSF		Fish Processing	Commercial	cardboard	recycling	0	tons	year	n/a	0.00	0
					fish scraps/tallow	recycling	118	tons	year	actual weight	118.20	118.2
LPBS26	SSF		Seafood Market	Commercial	tallow	recycling	4.92	tons	year	410lb/55gal.	4.92	4.92
					cardboard box	recycling	7.8	tons	year	100 lb bundle	7.80	7.8
LPBS27	SSF		Mfg. Corrugated	Commercial	fiber drums	SR	780	lbs	year	15 lbs each	0.39	0.39
					cardboard bales	recycling	351	tons	year	450 lbs each	351.00	351
					cardboard	SR	16.25	tons	year	.125 lb/sqft.	16.25	16.25
JHPS29	SSF		Distributor	Commercial	paper	recycling	200.00	lbs	week	actual weight	0.10	5.20
					OCC boxes	SR	990.00	lbs	week	box=2.2 lb	0.50	25.74
					plastic	recycling	20.00	lbs	month	actual weight	0.01	0.12
					pallets	SR	1,000.00	lbs	week	pallet =40 lbs	0.50	26.00
JHPS30	SSF		Distributor	Commercial	produce	SR	1,137.50	lbs	year	actual weight	0.57	0.57
					pallets	SR	18,000.00	lbs	week	pallet =40 lbs	9.00	468.00
JHPS31	SSF		Distributor	Commercial	OCC	recycling	300.00	lbs	month	1 c.y.=50 lbs	0.15	1.80
					pallets	SR	960.00	lbs	week	pallet =40 lbs	0.48	24.96
JHPS32	SSF		Distributor	Commercial	paper	SR	50.00	lbs	month	actual weight	0.03	0.30
					OCC	recycling	200.00	lbs	month	actual weight	0.10	1.20
					pallets	SR	10,000.00	lbs	week	pallet =40 lbs	5.00	260.00
					pallets (broken)	recycling	4,000.00	lbs	month	pallet =40 lbs	2.00	24.00
JHPS33	SSF		Golf	Commercial	grasscycling	SR	1524.6	tons	year	350 lbs/yr/1,0	1,524.60	1524.6
					leaves and shrubs	composting	50	tons	year	actual weight	50.00	50
JHPS34	SSF		Cemetary	Commercial	grasscycling	SR	26.7	tons	year	350 lbs/yr/1,0	26.70	26.7
						Total Tonnage from Business Surveys						7,290.10
Site-Visits												
LPSV1	SSF	[redacted]	Food Mfg.	Commercial	cardboard	recycling	195	tons	year	0.75 tons/day	195.00	195
					tallow	recycling	96.85	tons	year	372.5 lbs each	96.85	96.85
					bulk soap barrels	SR	1.5	tons	year	25 lbs each	1.50	1.5
					plastic buckets	SR	4	tons	year	1.1 lb each	4.00	4
					plastic spacers	SR	43.9	tons	year	2.25 lbs each	43.90	43.9
					plastic barrels	SR	62.4	tons	year	120 lbs each	62.40	62.4
					wood pallets	SR	130	tons	year	40 lbs each	130.00	130
					Gaylord pallets	SR	390	tons	year	60 lb each	390.00	390
					wood pallets	recycling	52	tons	year	40 lbs each	52.00	52
LPSV2	SSF		Produce Wholesal	Commercial	produce	SR	347.23	tons	year	150 cases/wk.	347.23	347.23
					produce	SR	334.34	tons	year	2, 6429.6lb lo	334.34	334.34
					produce	SR	63.46	tons	year	actual weight	63.46	63.46
					cardboard box/wo	SR	1579.05	tons	year	1.1 lb each	1,579.05	1579.05
					chep pallets	SR	2.4	tons	year	40 lbs each	2.40	2.4

Ref. No.	City	Source	Type of business	Category	Matl. Type	Method	Qty.	Unit	Freq.	Conversion Factor	Tons /Period	Tons/Yr
					cardboard box/wo	recycling	526.35	tons	year	1.1 lb each	526.35	526.35
					wood pallets	SR	1170	tons	year	900/day, 40 lt	1,170.00	1170
LPSV3	SSF		Retail Grocer	Commercial	damaged goods	SR	16.6	tons	year	15 cases/day	16.60	16.6
					compost	composting	166.66	tons	year	89.03 lb/case	166.66	166.66
					tallow	recycling	45.3	tons	year	1595 lb cyd.	45.30	45.3
					cardboard bales	recycling	83.2	tons	year	400 lb each	83.20	83.2
					wax cardboard bo	SR	27.3	tons	year	2.2 lb each	27.30	27.3
					plastic trays	SR	0.83	tons	year	4 lb tray	0.83	0.83
					plastic crates	SR	3.3	tons	year	1 lb each	3.30	3.3
					other plastic crates	SR	884	lbs	year	1 lb each	0.44	0.442
					misc. film plastics	recycling	4.4	tons	year	4.8 lb, 32 gal	4.40	4.4
LPSV4	SSF		Envelope Mfg.	Commercial	shredded office pa	recycling	67.9	tons	year	87 lb crate	67.90	67.9
					loose stacked OCC	recycling	23.18	tons	year	50.08 lb cyd.	23.18	23.18
					pallets	SR	31.2	tons	year	40 lbs each	31.20	31.2
LPSV5	SSF		Food Mfg.	Commercial	55gal drums	SR	2.1	tons	year	35 lbs each, 1	2.10	2.1
					mixed paper bales	recycling	36.4	tons	year	400 lb each	36.40	36.4
					wood pallets	SR	52	tons	year	40 lbs each	52.00	52
					tallow	recycling	50.7	tons	year	1595 lb cyd.	50.70	50.7
					food waste/overbal	SR	1000	lbs	year	actual weight	0.50	0.5
					food waste	SR	54.6	tons	year	300 lbs/day	54.60	54.6
					food scraps	recycling	5.2	tons	year	200 lbs/wk.	5.20	5.2
					food waste/overbal	SR	3.64	tons	year	20 lbs/day	3.64	3.64
					large plastic crates	SR	312	tons	year	3 lbs each	312.00	312
					small plastic crates	SR	6.5	tons	year	1 lb each	6.50	6.5
					other plastic crates	SR	10.4	tons	year	1 lb each	10.40	10.4
					5 gal buckets	SR	0	tons	year	1 lb each		
					5 gal buckets	SR	27.3	tons	year	1 lb each	27.30	27.3
LPSV6/JHS	SSF		Cardboard Mfg.	Commercial	corrugated bales	recycling	9815.472	tons	year	actual weight	9,815.47	9815.472
					corrugated bales(w	recycling	222	tons	year	actual weight	222.00	222
					plastic 5gal bucket	SR	21.6	tons	year	5 lb bucket	21.60	21.6
					chipped plastic str	recycling	14.7	tons	year	actual weight	14.70	14.7
					pallets (various siz	SR	1300	tons	year	1000/day, 40	1,300.00	1300
				Commercial	OCC	SR	592,800.00	lbs	month	actual weight	296.40	3,556.80
					metal strapping	recycling	1,812.00	lbs	month	1 c.y.=906 lb	0.91	10.87
LPSV7	SSF		Paint Mfg.	Commercial	cardboard	recycling	64.2	tons	year	actual weight	64.20	64.2
					computer paper	recycling	0	tons	year		0.00	0
					computer paper	recycling	7.8	tons	year	actual weight	7.80	7.8
					Supersacs, bulk ba	recycling	1.08	tons	year	4 lbs each	1.08	1.08
					wood pallets (2 ty	SR	450	tons	year	40 lbs each	450.00	450
					pallets	SR	83.55	tons	year	40 lbs each	83.55	83.55
					plastic & steel 55g	SR	25.65	tons	year	30 lbs each av	25.65	25.65
					Plastic Fives Pails	SR	167.97	tons	year	655 lbs each	167.97	167.97
					Plastic shrink wra	recycling	23.4	tons	year	actual weight	23.40	23.4
JHSV01	SSF		Supermarket	Commercial	OCC	recycling	3,850.00	lbs	week	actual weight	1.93	100.10
					produce waste	composting	2,800.00	lbs	week	actual weight	1.40	72.80
					film plastic	recycling	95.00	lbs	week	actual weight	0.05	2.47

Ref. No.	City	Source	Type of business	Category	Matl. Type	Method	Qty.	Unit	Freq.	Conversion Factor	Tons /Period	Tons/Yr
					OCC	SR	264.00	lbs	week	box=2.2 lb	0.13	6.86
					meat scrap	recycling	1,200.00	lbs	week	actual weight	0.60	31.20
					damaged goods	SR	60.00	lbs	week	actual weight	0.03	1.56
					plastic racks	SR	315.00	lbs	week	rack=1.5 lbs	0.16	8.19
					pallets	SR	5,740.00	lbs	week	pallet =40 lbs	2.87	149.24
					Food	SR	3,093.00	lbs	month	actual weight	1.55	18.56
JHSV03	SSF		Wholesale	Commercial	Pallets	SR	5,000.00	lbs	week	pallet =40 lbs	2.50	130.00
JHSV04	SSF		Concrete Mfg.	Commercial	concrete	SR	270,000.00	lbs	week	actual weight	135.00	7,020.00
					concrete	recycling	1,200.00	tons	week	actual weight	1,200.00	1,200.00
					pallets	SR	180.00	lbs	week	pallet =40 lbs	0.09	4.68
					bulk storage tanks	SR	8,333.00	lbs	week	actual weight	4.17	216.66
JHSV05	SSF		Retail	Commercial	OCC	recycling	125,000.00	lbs	month	actual weight	62.50	750.00
					damaged goods	SR	2,450.00	lbs	week	actual weight	1.23	63.70
					Food	SR	1,100.00	lbs	week	actual weight	0.55	28.60
					Tires	recycling	12,000.00	lbs	week	tire=20 lbs	6.00	312.00
					meat scrap	recycling	4,912.76	lbs	week	1 c.f.=52.5 lt	2.46	127.73
					produce waste	SR	100.00	lbs	week	actual weight	0.05	2.60
					pallets	SR	18,000.00	lbs	week	pallet =40 lbs	9.00	468.00
					bulk cleaning supp	SR	49.50	lbs	year	gallon jug=.3	0.02	0.02
JHSV06	SSF		Supermarket	Commercial	produce waste	composting	2,000.00	lbs	week	actual weight	1.00	52.00
					OCC	recycling	8,750.00	lbs	week	actual weight	4.38	227.50
					film plastic	recycling	210.00	lbs	week	actual weight	0.11	5.46
					plastic crates	SR	1,260.00	lbs	week	crate=2.5 lbs	0.63	32.76
					plastic racks	SR	270.00	lbs	week	rack=1.5 lbs	0.14	7.02
					OCC	SR	594.00	lbs	week	box=2.2 lb	0.30	15.44
					metal racks	SR	1,280.00	lbs	week	actual weight	0.64	33.28
					pallets	SR	6,000.00	lbs	week	pallet =40 lbs	3.00	156.00
					meat scrap	recycling	600.00	lbs	week	actual weight	0.30	15.60
					damaged goods	SR	1,800.00	lbs	week	actual weight	0.90	46.80
JHSV07	SSF		Retail	Commercial	OCC	recycling	7,000.00	lbs	week	actual weight	3.50	182.00
					damaged goods	SR	2,500.00	lbs	week	actual weight	1.25	65.00
					Tires	recycling	10,000.00	lbs	week	tire=20 lbs	5.00	260.00
					pallets	SR	10,500.00	lbs	week	pallet =40 lbs	5.25	273.00
					OCC	SR	7,700.00	lbs	week	box=2.2 lb	3.85	200.20
LPSV8	SSF		Bread Mfg.	Commercial	cardboard	recycling	143.00	tons	year	2.2 lbs each	143.00	143.00
					wood pallets	SR	54.08	tons	year	40 lbs each	54.08	54.08
					bread	SR	130.00	tons	year	5,000 lbs/wk.	130.00	130.00
					grease	recycling	68.58	tons	year	1500 gal tank	68.58	68.58
					linens	SR	9.10	tons	year	# units	9.10	9.10
					plastic totes	SR	2.20	tons	year	42.3 lbs each	2.20	2.20
					mini plastic pallets	SR	240.00	tons	year	8 lbs each	240.00	240.00
					dough	SR	845.00	tons	year	18 lb cft.	845.00	845.00
					dough/bread	recycling	5,742.54	tons	year	20 yd. compac	5,742.54	5,742.54
LPSV9	SSF		Printer	Commercial	cardboard	recycling	7.8	tons	year	300 lbs/wk	7.80	7.8
					paper	recycling	66	tons	year	5.5 tons/mo.	66.00	66

Table 1 Documented Diversion by Generator

City of South San Francisco 2000

Ref. No.	City	Source	Type of business	Category	Matl. Type	Method	Qty.	Unit	Freq.	Conversion Factor	Tons /Period	Tons/Yr
		[redacted]			broken wood palle	recycling	48	tons	year	200/mo.	48.00	48
					aluminum cans	recycling	0.38	tons	year	14.6 lb bag	0.38	0.38
					aluminum plates	recycling	13.5	tons	year	actual weight	13.50	13.5
					print paper	SR	0	tons	year		0.00	0
						Total Tonnage from Site-Visits						41,452.45
Landfill Diversion												
LPLF1	SSF	Ox Mountain Landfill	Landfill	Commercial	greenwaste	recycling	272.69	tons	year	actual weight	272.69	272.69
					ADC	recycling	1,267.02	tons	year	actual weight	1,267.02	1267.02
RALF1	SFF	Zanker	Landfill	Commercial	C & D	recycling	0.43	tons	year	actual weight	0.43	0.43
						Total Tonnage from Landfill Diversion						1,540.14
Franchise Hauler												
RA1	SSF	South San Francisco Scavenger	Franchised hauler	Residential	Aluminum	recycling	26.53	tons	year	actual weight	26.53	26.53
RA2	SSF			Residential	Cardboard	recycling	556.39	tons	year	actual weight	556.39	556.39
RA3	SSF			Residential	Glass	recycling	647.03	tons	year	actual weight	556.39	556.39
RA4	SSF			Residential	HDPE	recycling	115.9	tons	year	actual weight	647.03	647.03
RA5	SSF			Residential	Newspaper	recycling	4497.88	tons	year	actual weight	115.90	115.9
RA6	SSF			Residential	Office paper	recycling	17.08	tons	year	actual weight	17.08	17.08
RA7	SSF			Residential	PET	recycling	89.89	tons	year	actual weight	89.89	89.89
RA8	SSF			Residential	Tin	recycling	130.76	tons	year	actual weight	89.89	89.89
RA9	SSF	South San Francisco Scavenger	Franchised hauler	Commercial	Cardboard	recycling	911.97	tons	year	actual weight	130.76	130.76
RA10	SSF			Commercial	Aluminum	recycling	16.83	tons	year	actual weight	16.83	16.83
RA11	SSF			Commercial	Cardboard	recycling	2523.02	tons	year	actual weight	2,523.02	2523.02
RA12	SSF			Commercial	Glass	recycling	4.15	tons	year	actual weight	4.15	4.15
RA13	SSF			Commercial	HDPE	recycling	18.37	tons	year	actual weight	18.37	18.37
RA14	SSF			Commercial	Newspaper	recycling	246.89	tons	year	actual weight	246.89	246.89
RA15	SSF			Commercial	PET	recycling	0.85	tons	year	actual weight	0.85	0.85
RA16	SSF			Commercial	Tin	recycling	24.48	tons	year	actual weight	24.48	24.48
						Total Tonnage for Franchise Hauler						5,064.45

Total Diversion	93,243.62
Total Disposal	105,706.50
Unaccounted tonnage	12,462.88
Percentage	46.87%
Generation	198,950.12
Population	62,600
Pounds generated per capita	17.41